

ABSTRACT

First and second metal members W1, W2 are joined by  
lapping at least two metal members one over the other;  
5 pressing a rotating tool 1 against the outmost surface of  
the lapped metal members, that is, the first metal member  
W1; and stirring the metal structure between the first and  
second metal members W1, W2 by the use of frictional heat  
generated by the rotating motion of the rotating tool 1  
10 while keeping the metal members in a non-molten state.